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888	888 888	AAA AAA	SSS	RRR RRR	III	LLL
BBB	BBB	AAA AAA	SSS	RRR RRR	İİİ	iii
888 888	BBB	AAA AAA	SSS	RRR RRR	TTT	LLL
BBB	888	AAA AAA	SSS	RRR RRR	III	LLL
BBB	888	AAA AAA	SSS	RRR RRR	III	rrr
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8888888	RARA	AAA AAA	\$\$\$\$\$\$\$\$\$	RRRRRRRRRRRRR	III	LLL
888	BBB	AAAAAAAAAAAA	SSS	RRR RRR	iii	iii
BBB	BBB	AAAAAAAAAAAA	SSS	RRR RRR	iii	iii
BBB	BBB	AAAAAAAAAAAA	SSS	RRR RRR	TTT	III
888	BBB	AAA AAA	SSS	RRR RRR	TTT	LLL
BBB	BBB	AAA AAA	SSS	RRR RRR	III	rrr
888 8888888	BBB	AAA AAA	288	RRR RRR	III	LLL
8888888		AAA AAA	SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS	RRR RRR	III	
8888888		AAA AAA	\$222222222	RRR RRR	iii	

BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	GGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE		BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	KK KKKKKK KKKKKK KK	KK KK KK KK KK KK KK KK KK
		\$						

!<blf/width:80> MODULE BPASGETFREBLK (IDENT = '1-311'

) =

! Dynamic allocation of storage ! File: BPAGETBLK.B32

VAX-11 Bliss-32 V4.0-742 [BASRTL.SRC]BPAGETBLK.B32;1

BEGIN

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FACILITY: BASIC-PLUS AME

ABSTRACT:

This module contains the code to allocate and deallocate blocks of heap storage.

ENVIRONMENT: Native mode VAX processor, User mode, Common RTL.

AUTHOR: Jeremy Barker, CREATION DATE: 16-Jan-79

MODIFIED BY:

VERSION X01

Viveka Eriksson, 17-Aug-79 309 - Modifications to comply with VAX RTL standards.

Jeremy Barker, 17-Aug-79 - Require REQ: ame so that generated code is in proper PSECT and is sharable (also makes image 1 page smaller) 310

BPASGETFREBLK			M 13 16-Sep-1984 01:37:58 14-Sep-1984 11:56:51	VAX-11 Bliss-32 V4.0-742 [BASRTL.SRC]BPAGETBLK.B32;1	Page (1)
58 59 60 61 62 63 64	0058 0059 0060 0061 0062 0063 0064	1 1-311 - Replace reference to requ JBS 27-SEP-1979 1			

.EXTRN LIBSGET_VM, LIBSFREE_VM

Page

BPASGETFREBLK					C 14 16-Sep- 14-Sep-	1984 01:37 1984 11:56	:58 VAX-11 Bliss-32 V4.0-742 :51 [BASRTL.SRC]BPAGETBLK.B32;1	Page 5 (3)
						.PSECT	_BPA\$CODE,NOWRT, SHR, PIC.2	
04 AC	0000000G	00 56 0B 50 6E	08 04 08	AC 99	00 00002 9F 00005 9B 00008 00 0000F 9 00012 00 00015 2C 00019	PUSHAB PUSHAB CALLS MOVL BLBC MOVL MOVC5	BPA\$GET_BLOCK, Save R2,R3,R4,R5,R6 BLOCK_SIZE #2, LIB\$GET_VM R0, STS STS, 1\$ aBLOCK, R0 #0, (SP), #0, BLOCK_SIZE, (R0)	0207 0250 0252
		50		60 56 [0001F 00 00020 1\$:	MOVL RET	STS, RO	0255

; Routine Size: 36 bytes, Routine Base: _BPA\$CODE + 0000

: 165 0257 1 : 166 0258 1 !

BPASGETFREBLK	D 14 16-Sep-1984 01:37:58 VAX-11 Bliss-32 V4.0-742 Page 14-Sep-1984 11:56:51 [BASRTL.SRC]BPAGETBLK.B32;1	e (4)
169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 198 199 191 191 192 193 194 197 198 199 200 201 202 203 204	Q260 GLOBAL ROUTINE bpa\$free_block (address, block_size) = ! deallocate a block Q261 Q262 Q263 Q264 Q265 Q266 Q2	
	00000000G 00 02 FB 00008 CALLS #2, LTB\$FREE_VM	0260 0294 0295
; Routine Size:		
205 206 207	0296 1 0297 1 ! 0298 1 ! <blf page=""></blf>	

E 14 16-Sep-1984 01:37:58 14-Sep-1984 11:56:51 BPASGETFREBLK VAX-11 Bliss-32 V4.0-742 [BASRTL.SRC]BPAGETBLK.B32;1 209 210 211 1 END !End of module O ELUDOM PSECT SUMMARY Name Bytes Attributes _BPA\$CODE 52 NOVEC, NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC, ALIGN(2) COMMAND QUALIFIERS BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/NOTRACE/LIS=LIS\$:BPAGETBLK/OBJ=OBJ\$:BPAGETBLK MSRC\$:BPAGETBLK/UPDATE=(ENH\$:BPAGETBLK 52 code + 0 data bytes 00:02.4 00:07.6 : Size: : Run Ti

Run Time:

Elapsed Time: Lines/CPU Min:

; Lexemes/CPU-Min: 18076 ; Memory Used: 24 pages ; Compilation Complete

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